In re Application of Ulrich Braun

Application No.: 09/890,113

Filed: July 26, 2001

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IN THE CLAIMS

Please enter claims 1-10 as amended below, and enter new claims 11-20.

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- 1. (Currently Amended) A device for a urine separating toilet comprising a urine outlet and a faecal outlet for separately collecting and draining faeces and urine, a toilet bowl, and a toilet seat, said device comprising [that comprises the following features]:
 - a) a device for opening the [a] urine outlet[,] if a user sits down on the [a] toilet, sits down on the [and/or a] toilet seat, or [and/or] tips the toilet seat backward, [and]
 - b) a device for closing the urine outlet[,] if the user rises after the opening of the urine outlet or [and/or] tips the toilet seat downward, and
 - c) a device for flushing the entire toilet bowl when the urine outlet is closed, wherein solids that remain around or upon the closed urine outlet can be transported with flushing water to the faecal outlet.
- 2. (Currently Amended) A device for a urine separating toilet according to claim 1, wherein [whereat] the device comprises a feature for blocking a flushing valve[,] if a user sits down on the toilet or [and/or] tips the toilet seat backward, said [and this] feature releasing [releases] the flushing valve if the user rises [and/or] or tips the toilet seat downward.
- 3. (Currently Amended) A device according to claims 1[)] or [and] 2[)] for separate collection of urine and faeces in a urine separating toilet, wherein [whereat] no partition wall is located between the urine outlet and the faecal outlet[s].
- 4. (Currently Amended) A device according to claims 1[)] or 2 [to 3)], wherein [whereat] no liquids [can] remain around or [and/or] upon the closed urine outlet, but all liquids are drained by the force of gravity into the faecal outlet.

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5. (Currently Amended) A device according to claims 1[)] or 2 [to 4)], wherein [whereat] the toilet bowl shows protrusions at the inner surface to force the urine [more effectively] into the urine outlet.

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- 6. (Currently Amended) A device according to claims 1[)] or 2 [to 5)], wherein [whereat] the toilet further comprises one or more flush buttons which are covered by the tipped up toilet seat [covers the flush-button or buttons].
- 7. (Currently Amended) A device according to claims 1[)] or 2 [to 6)], wherein [whereat] the faecal outlet is designed as a vacuum drain.
- 8. (Currently Amended) A device according to claim 2 [claims 1) to 3)], wherein [whereat] the inner surface of the toilet bowl is equipped with a dirt and water rejecting nano surface layer.
- 9. (Currently Amended) A method for operating a urine separating toilet comprising [the following steps]:
 - a) [The] opening [of] a urine outlet if a user sits down upon a toilet [and/or] or toilet seat [and/or] or tips the toilet seat backward, [and]
 - b) [the] closing of the urine outlet if the user rises [after the opening of the urine outlet and/or] or tips the toilet seat downward, and
 - c) flushing the entire toilet bowl when the urine outlet is closed, wherein solids that remain around or upon the closed urine outlet can be transported with flushing water to the faecal outlet.
- 10. (Currently Amended) A method according to claim 9, [whereat] wherein a flushing valve is blocked if a user sits down upon the toilet [and/or] or tips the toilet seat backward, and the flushing valve is released again if the user rises or tips the toilet seat downward.



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-- 11. (New) A device for a urine separating toilet comprising a urine outlet and a faecal outlet for separately collecting and draining faeces and urine, a toilet bowl, and a toilet seat, said device comprising:

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- a) the urine outlet housed hydraulically in front of the faecal outlet, and
- b) a device for opening the urine outlet if a user sits down on the toilet, sits down on the toilet seat, or tips the toilet seat backward,
- c) a device for closing the urine outlet if the user rises after opening of the urine outlet or tips the toilet seat downward, wherein the inner surface of the toilet bowl is equipped with a dirt and water rejecting nano surface layer, and
- d) a device for flushing the entire toilet bowl, wherein solids are transported into the faecal outlet with flushing water.

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- 12. (New) A device according to claim 11, wherein the device comprisies a feature for blocking a flushing valve if a user sits down on the toilet or tips the toilet seat backward, said feature releasing the flushing valve if the user rises or tips the toilet seat downward.
- 13. (New) A device according to claim 11 or 12, wherein no partition wall is located between the urine and faecal outlets.
- 14. (New) A device according to claim 11 or 12, wherein no liquids remain around or upon the closed urine outlet, and all liquids are drained by the force of gravity into the faecal outlet.
- 15. (New) A device according to claim 11 or 12, wherein the toilet bowl shows protrusions at the inner surface to force the urine into the urine outlet.
- 16. (New) A device according to claim 11 or 12, wherein the tipped backward toilet seat covers the flush-button or buttons.

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17. (New) A device according to claim 11 or 12, wherein the faecal outlet is designed as a vacuum drain.

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- 18. (New) A device according to claim 1 or 2, wherein the urine outlet is operated water-free.
- 19. (New) A device for a urine separating toilet comprising a urine outlet and a faecal outlet for separately collecting and draining of faeces and urine, a toilet bowl, and a toilet seat, said device comprising:
 - a) a device for opening the urine outlet if a user sits down on the toilet, sits down on the toilet seat, or tips the toilet seat backward,
 - b) a device for closing the urine outlet if the user rises after opening of the urine outlet or tips the toilet seat downward,
 - c) a device for flushing the entire toilet bowl, wherein solids are transported into the faecal outlet with flushing water, and
 - d) a device for draining the faecal outlet with under-pressure, wherein the drainage can be caused by activating flushing according to step c).
- 20. (New) A device for a urine separating toilet according to claim 19, wherein the device comprises a feature for blocking a flushing valve if a user sits down on the toilet or tips the toilet seat backward, said feature releasing the flushing valve if the user rises or tips the toilet seat downward. --

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